

## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. <b>No. 01863</b>		
APPLICANT NAME <b>Washington Water Trust</b>	CONTACT NAME <b>Kelly McCaffrey</b>	TELEPHONE NO. <b>(206) 675-1585</b>
WATER RIGHT HOLDER'S NAME (if different) <b>Pam Cromarty</b>		

DATE OF APPLICATION <b>Application to Ecology: Submit June, 2008</b>	PRIORITY DATE <b>June 30, 1902</b>
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WATER SOURCE: <b>Teanaway River</b>	CROP: <b>Mixed hay</b>
INSTANTANEOUS QUANTITY: <b>Based on owner's parcel acreage (9 acres) within place of use and adjudicated water duty: <u>0.18 cfs</u></b>	ANNUAL QUANTITY: <b>Based on owner's parcel acreage (9 acres) within place of use and adjudicated water duty: <u>36 af</u></b>
PERIOD OF USE: <b>May 1 – September 15</b> <b>According to the Teanaway water master, during low-water, drought years, water <i>may</i> be curtailed mid-July through mid-September</b>	
PLACE OF USE: <b>That portion of the W1/2SE1/4 lying W of the primary irrig ditch and that portion of the E1/2E1/2SW1/4 lying E of the primary irrig ditch in Sect 31, T21 R16</b>	PURPOSE OF USE: <b>Current purpose of use, prior to change, is irrigation</b>
IRRIGATION METHOD: <b>Flood irrigation</b>	

<p>CONSUMPTIVE USE CALCULATION:</p> <p><u><b>CU: Considering crop irrigation requirement only:</b></u></p> <p>Consumptive use is based on the Washington Irrigation Guide crop irrigation requirement (CIR) estimate for clover in the Cle Elum area. In calculating the CIR, clover was used as a proxy for “mixed hay”. The average CIR for clover is 19.10 inches per acre in May - September. From <i>May 1 through September 15</i>, from 2008 through 2010, Pam Cromarty will be following 9 acres.</p> <p><b>Consumptive estimate based on CIR alone is 12.9 acre feet CU</b></p> <p>CIR for season May 1 – Sept 15: (0 ac-in (May)) + (3.54 ac-in (June)) + (6.84 ac-in (July)) + (5.06 ac-in (Aug)) + ((3.67 ac-in)/31)*15 (Sept)) = 17.21 acre inches</p> <p>((17.21 ac-in) x (1 ft / 12 in) x (9 acres) = <b>12.9 af/yr</b></p>
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CU: Including CIR, Evaporative Loss and Efficiency:

Evap (evaporative loss) estimated by Ecology Guidance 1210, Table 1 for flood irrigation averages at 5%. Ea (application efficiency) estimated by Ecology Guidance 1210, Table 1 for flood irrigation averages at 55%.

**Consumptive estimate based on CIR, Evap, and Ea is 14.1 acre-feet CU**

$$(12.9 \text{ af-CU/yr}) / (55\% \text{ Ea}) = 23.45$$

$$(23.45) \times (5\% \text{ evap}) = 1.17 \text{ af/yr}$$

$$(12.9 \text{ af/yr CIR}) + (1.17 \text{ af/yr evap}) = 14.1 \text{ af/yr CU}$$

NARRATIVE DESCRIPTION OF PROJECT:

Norm Cromarty was confirmed a 1902 priority date water right under court claim number 01863 in Subbasin No. 3 (Teaaway). This landowner leased his water to WWT in 2003 and donated his water in 2006, 2007.

The Executors Deed for the land and water was granted to Norm's widow, Pamela Cromarty. Pamela is donating her water for instream flow, through WWT, for three more years (2008, 2009, 2010). The water will remain in the State Trust Water Rights program from May 1 – Sept 15. The place of use in these years will be instream in the Teaaway River and the Yakima River.